

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A multizone air conditioning system of a motor vehicle, having, as viewed in the direction of airflow, a control element for controlling the temperature, a vaporizer and a heater which are arranged in an air guiding housing, the air guiding housing having dividing walls, wherein at least one dividing element for the sealed division of the individual zones of the air conditioning system is provided on the heater and wherein ~~said dividing element contacts and overlaps at least one of the dividing walls and/or at least one of the dividing elements of a component adjacent to the heater wherein the~~ at least one dividing element includes one of a projection and a forked end and at least one of the dividing walls and/or at least one of the dividing elements of a component adjacent to the heater includes the other of the projection and the forked end, the projection being received between spaced portions of the forked end.

2. (Previously presented) The air conditioning system as claimed in claim 1, wherein the control element is arranged in front of the heater.

3. (Previously presented) The air conditioning system as claimed in claim 1, wherein one control element is provided per zone.

4. (Previously presented) The air conditioning system as claimed in claim 1, wherein a supplementary heater is provided arranged ahead of or behind the heater.

5. (Previously presented) The air conditioning system as claimed in claim 4, wherein the at least one dividing element comprises a first dividing element on the heater and a second dividing element on the supplementary heater.

6. (Previously presented) The air conditioning system as claimed in claim 5, wherein the first dividing element is injection molded or clipped onto the heater.

7. (Previously presented) The air conditioning system as claimed in claim 5, wherein the at least one dividing element bridges an undercut which is present over a central portion of the heater between collecting tanks of the heater.

8. (Previously presented) The air conditioning system as claimed in claim 1, wherein the at least one dividing element is of cross-shaped configuration.

9. (Previously presented) The air conditioning system as claimed in claim 1, wherein the at least one dividing element has a frame.

Claim 10 (Cancelled).

11. (Currently amended) A multizone air conditioning system of a motor vehicle comprising:

an air guiding housing having an interior and configured to guide air through the air guiding housing in an airflow direction;

a vaporizer;

a heater downstream from said vaporizer;

at least one dividing wall in the air guiding housing configured to divide an output of the heater into first and second flow paths; and

a first dividing element on the heater ~~overlapping said dividing wall and sealingly connecting said heater to said dividing wall,~~

wherein said first dividing element comprises a first one of a projecting member and a forked end and said at least one dividing wall includes the other of the projecting member and the forked end, the projecting member being received between spaced portions of the forked end.

12. (Previously presented) The multizone air conditioning system as claimed in claim 11, including a second dividing element on said heater, a supplementary heater adjacent to said heater, and a third dividing element on said supplementary heater in contact with said second dividing element.

13. (Previously presented) The multizone air conditioning system as claimed in claim 11, wherein said heater comprises a PTC supplementary heater.

14. (New) A multizone air conditioning system of a motor vehicle comprising:

- an air guiding housing having an interior and configured to guide air through the air guiding housing in an airflow direction;
- a vaporizer;
- a heater downstream from the vaporizer;
- a heating or cooling element in the air guiding housing adjacent the heater;
- at least one dividing wall in the air guiding housing configured to divide an output of the heater into first and second flow paths;
- a first dividing element on one of the heater and the heating or cooling element;

and

- a second dividing element on the other of the heater and the heating or cooling element;

wherein,

- the first dividing element comprises a projecting wall portion, the second dividing element comprises a pair of arms separated by a space, and the projecting wall portion extends into the space.

15. (New) The multizone air conditioning system as claimed in claim 14, wherein the first dividing element is on the heater.

16. (New) The multizone air conditioning system as claimed in claim 14, wherein the first dividing element forms a seal with the second dividing element.

17. (New) The multizone air conditioning system as claimed in claim 14, wherein the first dividing element contacts the second dividing element.